

19. AN AMENDMENT TO BE OFFERED BY REPRESENTATIVE
Scott OF Virginia, OR HIS
DESIGNEE, DEBATABLE FOR 10 MINUTES:

82
Rev

**AMENDMENT TO H.R. 1585, AS REPORTED
OFFERED BY MR. SCOTT OF VIRGINIA**

Title II, add at the end the following:

1 **SEC. 2__.** **MODELING, ANALYSIS, AND SIMULATION OF**
2 **MILITARY AND NON-MILITARY OPERATIONS**
3 **IN COMPLEX URBAN ENVIRONMENTS.**

4 Congress finds the following:

5 (1) Modeling, Analysis, and Simulation Tech-
6 nology has become an essential component in ensur-
7 ing that we meet the defense challenges of the 21st
8 century. It allows us to build and develop models of
9 complex systems, effectively sharpen the tools, proce-
10 dures, and decisions needed to address difficult
11 problems, and determine how certain actions will ef-
12 fect the end result before implementing the plan in
13 real life, thereby providing strategic, tactical and fi-
14 nancial benefits. Every effort should be made to in-
15 clude Modeling, Analysis and Simulation Technology
16 in the training and planning doctrines of the De-
17 partment of Defense.

18 (2) Current and future military operations, and
19 emergency management of natural and man-made
20 disasters, do and will continue to involve operations

1 in highly complex, urban environments. These envi-
2 ronments include complex geographical, communica-
3 tions, transportation, informational, social, political,
4 and public support subsystems. The interdependence
5 of these subsystems and the cascading effects of
6 warfare or disasters imposed upon them should be
7 modeled in a computer simulation environment. It is
8 important for the security and safety of the Depart-
9 ment of Defense to study and understand the effects
10 of warfare and disasters on the resiliency of urban
11 environments and to develop a computer modeling
12 and simulation decision-making tool for emergency
13 consequence management of military, natural and
14 man-made disasters in complex urban environments.